

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
63835/RFJ/PTSerial No.
Not Yet KnownINFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)Applicants:
Yoh-Han Pao and Zhuo MengFiling Date: 03/23/01
HerewithGroup Art Unit:
Not Yet Known

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
WF	5 0 0 3 4 9 0	3/1991	Castelaz et al.			
	5 1 1 3 4 8 3	5/1992	Keeler et al.			
	5 2 0 0 8 1 6	4/1993	Rose			
	5 2 1 8 5 2 9	6/1993	Meyer et al.			
	5 2 5 5 3 4 2	10/19/93	Nitta			
	5 2 6 3 1 2 0	11/1993	Bickel			
	5 2 9 3 4 5 6	3/1994	Guez et al.			
	5 3 1 1 6 0 0	5/1994	Aghajan et al.			
	5 3 3 5 2 9 1	8/1994	Kramer et al.			
	5 3 3 7 3 7 2	8/1994	LeCun et al.			
C	5 3 7 9 3 5 2	1/3/95	Sirat et al.			
	5 4 3 2 8 6 4	7/11/95	Lu et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
WF	EP 05 1 0 6 3 2 A2	4/1992	Europe			/	
	WO 9 3 2 0 5 3 0	3/1993	PCT			/	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

WF	Fukunaga, K. and Koontz, W.L.G., (1970) "Application of the Karhunen-Loeve expansion to feature selection and ordering", IEEE Transactions on Computers, Vol. 19:311-318;
	Kohonen, T., (1982) "Self-organized formation of topologically correct feature maps", Biological Cybernetics, Vol. 43:59-69;
	Oja, E., (1982) "A simplified neuron model as a principal component analyzer", Journal of Mathematics and Biology, Vol. 15:267-273;

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
SC	5 5 4 6 5 0 3	8/1996	Abe et al.			
	5 6 1 9 7 0 9	4/1997	Caid et al.			
	5 6 3 4 0 8 7	5/1997	Mammone et al.			
	5 6 4 9 0 6 5	7/1997	Lo et al.			
	5 6 8 7 0 8 2	11/11/97	Rizzoni			
	5 7 3 4 7 9 6	3/31/98	Pao			
	5 7 4 8 5 0 8	5/1998	Baleneau			
	5 7 5 4 6 8 1	5/19/98	Watanabe et al.			
	5 7 9 4 1 7 8	8/1998	Caid et al.			
	5 8 1 2 9 9 2	9/22/98	De Vries			
	5 9 6 3 9 2 9	10/1999	Lo			
	5 9 6 7 9 9 5	10/19/99	Shusterman et al.			
JP	6 1 3 4 5 3 7	10/17/00	Pao et al.			

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						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SC	Linsker, R., (1986) "From basic network principles to neural architecture", Proceedings of the National Academy of Science, USA, Vol. 83:7508-7512, 8390-8394, 8779-8783;
	Carpenter, G.A. and Grossberg, S., (1987), "ART2: Self-organization of stable category recognition codes for analog input patterns", Applied Optics., Vol. 26:4919-4930;
	Bourland, H. and Kamp Y., (1988) "Auto-association by multilayer perceptrons and singular value decomposition", Biological Cybernetics, Vol. 59:291-294;

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	Baldi P. and Hornik, K., (1989) "Neural networks and principal component analysis: learning from examples without local minima", Neural Networks, Vol. 2:53-58;
↓	Sanger, T.D., (1989) "Optimal Unsupervised learning in a single-layer linear feedforward neural network", Neural Networks, Vol. 2:459-465;
↓	Kramer, M., (1991) "Nonlinear principal component analysis using autoassociative feedforward neural networks", AICHE, Vol. 37:233-243;

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	Abbas, H.M. and Fahmy, M.M., (1993) "Neural model for Karhunen-Loeve transform with application to adaptive image compression", Communications, Speech and Vision, IEE Proceedings I, Vol. 140(2);
	Jianchang Mao and Anil K. Jain, (1995) "Artificial Neural Networks for Feature Extraction and Multivariate Data Projection", IEEE Transactions on Neural Networks, Vol. 6(2);
	Kohonen, T., (1995) "Self-Organizing Maps", Springer-Verlag, Berlin.

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